

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001463**Date Inspected:** 19-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 2AE, OBG 2BE, OBG 2BW, Sub-Assem**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

.OBG 2AE

Joint three party inspection was performed on the external surfaces and deficiencies were noted and amended and Interzinc 22 was applied. Profile amplitude was 63-82um.

OBG 2BE

ZPMC personnel sanding and screening dry-spray from surfaces and applying Interzinc 52 to interior surfaces of bolt holes.

Sub-Assemblies

Approximately 250 pieces of base metal surfaces consisting of lamp post brackets, cable tray supports, floor beam diaphragms, and "T" stiffener clips were abrasive blasted to SSPC-SP-10, profile amplitude was 74-78um. These surfaces were re-inspected after repairs were performed and Interzinc 22 was applied.

OBG 2BW

External surfaces which were previously coated were re-abrasive blasted to amend mud-cracking issue of Interzinc 22 excess dry film thickness. SSPC SP-10 was achieved and edges were feather per specification, also the segment pedestal support contact base metal surfaces were abrasive blasted concurrently with repairs and Interzinc 22 was applied to repair areas and base metal areas.

Note: All inspections were performed jointly with ZPMC & ABF QA/QC representatives and Caltrans QA Lumley.

SOURCE INSPECTION REPORT

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Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
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Reviewed By:	Carreon,Albert	QA Reviewer
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